

Notice of Allowability

Application No.

09/904,285

Examiner

Liang-che Alex Wang

Applicant(s)

KUIPEC ET AL.

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 11/08/2006.
2. ☒ The allowed claim(s) is/are 71-73, 75-80 and 82-85 (renumbered as 1-13).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Philip Tran
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. Claims 71-73, 75-80, 82-85 are allowed.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Paul Katterie (Reg. No. 36563) on 12/19/2006.
4. The application has been amended as follow:
Claims 1-70 (Canceled).

71. (Currently Amended): A method of managing a plurality of physical assets of an industrial enterprise, the assets including a first asset, said method comprising the steps of:

(a.) providing a network based data management infrastructure with a plurality of data sources each of which have a unique name for each of said assets, said network based data management infrastructure including an asset management server, and said data sources including a monitoring system for monitoring an operating characteristic of the first asset; and

(b.) operating said asset management server to:

receive a first message from the monitoring system, said first message ~~being- containing information~~ about said operating characteristic of the first asset;

determine from said first message that other data sources need to receive said ~~first message~~ information;

determine said unique name used for said first asset by each of said other data sources that need to receive said ~~first message~~ information;

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prepare a second message ~~from~~ based on said first message for each of said other data sources that need to receive said ~~first message~~ information, wherein said second messages contain said information and are respectively prepared using said unique names for said first asset that are used by said other data sources that need to receive said ~~first message~~ information; and transmit said second messages to said other data sources that need to receive said ~~incoming message~~ information, respectively; and
(c.) displaying said information on a human machine interface associated with one of said other data sources that need to receive said information.

72. (Previously Presented): The method of claim 71, wherein said first asset is a turbine and said monitoring system is a vibration monitoring system.

73. (Previously Presented): The method of claim 71, wherein the first message is a maintenance condition document.

74. (Canceled).

75. (Previously Presented): The method of claim 71, further comprising transmitting said first message using the HTTP protocol.

76. (Previously Presented): The method of claim 75, wherein said first message and each of said second messages is in the XML format.

77. (Previously Presented): The method of claim 71, further comprising transmitting said first message in a protocol session; and
wherein each of said second messages is transmitted to each of said other data sources during said protocol session that transmitted said first message.

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78. (Currently Amended): An enterprise network for managing a plurality of physical assets of an industrial enterprise including a first asset, said enterprise network comprising:

(a.) a first data source and plurality of other data sources, each of which have a unique name for each of said assets, the first data source being a monitoring system for monitoring an operating characteristic of the first asset;

(b.) an asset management server connected to said first data source and said other data sources, said asset management server being operable to:

receive a first message from said first data source, said first message being containing information about said operating characteristic of said first asset;

determine from said first message that said other data sources need to receive said ~~first message~~ information;

determine said unique name used for said first asset by each of said other data sources that need to receive said ~~first message~~ information;

prepare a second message ~~from based on~~ said first message for each of said other data sources that need to receive said ~~first message~~ information, wherein said second messages contain said information and are respectively prepared using said unique names for said first asset that are used by said other data sources that need to receive said first message; and

transmit said second messages to said other data sources that need to receive said ~~incoming message~~ information, respectively; and

(c.) a human machine interface associated with one of said other data sources that need to receive said information, said human machine interface being operable to display said information.

79. (Previously Presented): The enterprise network of claim 78, wherein said first asset is a turbine and said monitoring system is a vibration monitoring system.

80. (Previously Presented): The enterprise network of claim 78, wherein said first message is a maintenance condition document.

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81. (Canceled).

82. (Previously Presented): The enterprise network of claim 78, wherein said first message is transmitted using the HTTP protocol.

83. (Previously Presented): The enterprise network of claim 82, wherein said first message and each of said second messages is in the XML format.

84. (Previously Presented): The enterprise network of claim 78, wherein said first message is transmitted in a protocol session; and

wherein said asset management server is operable to transmit each of said second messages to each of said other data sources during said protocol session that transmitted said first message.

85. (Previously Presented): The enterprise network of claim 78, wherein the industrial enterprise is an electric power generating station.

Reason for allowance

5. The following is an examiner's statement of reasons for allowance: the prior art of record does not teach or suggest, individually or in combination, a network based data management infrastructure with a plurality of data sources each of which have a unique name for each of said assets and an asset management server, and a monitoring system for monitoring an operating characteristic of the first assets; and operating said asset management server to determine each unique names used for said first asset by each of said other data sources that need to receive information contained in a first message from the monitoring system; prepare and transmit second messages based on the first message

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to other sources and display said information on a human machine interface in light of other features described in claims 71 and 78.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Liang-che Alex Wang whose telephone number is (571)272-3992. The examiner can normally be reached on Monday thru Friday, 8:30 am to 5:00 pm.
8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571)272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Liang-che Alex Wang *lw*
December 19, 2006

Philip Tran
PRIMARY EXAMINER